Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/08/2017 11:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124232	-1	1.53	124080	1.50
Blue	F	SSC	125000	123756	-1	2.94	124081	2.78
Blue	E	FITC	21625	21181	-3	2.46	944	9.95
Blue	D	PE	26832	26508	-2	1.98	952	9.46
Blue	B	PerCP-Cy5-5	48027	47652	-1	3.29	1363	15.95
Blue	A	PE-Cy7	40971	40645	-1	4.99	626	34.09
Red	C	APC	49746	49341	-1	2.79	2839	9.33
Red	A	APC-Cy7	53615	52836	-2	2.75	1091	10.89
Violet	B	V450	14488	13896	-5	4.94	663	9.33
Violet	A	V500	55123	53967	-3	4.78	2391	6.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19491	3.99	603	5	N/A	N/A	Pass
Blue	F	SSC	61660	1.45	533	-1	N/A	N/A	Pass
Blue	E	FITC	105	37.07	533	-3	0.0219	103	Pass
Blue	D	PE	207	27.39	529	-2	0.1655	194	Pass
Blue	B	PerCP-Cy5-5	215	42.75	624	-5	0.0116	124	Pass
Blue	A	PE-Cy7	70	111.89	674	-7	0.0129	13	Pass
Red	C	APC	334	27.42	588	-6	0.0212	92	Pass
Red	A	APC-Cy7	120	39.54	571	-9	0.0061	1758	Pass
Violet	B	V450	80	40.85	470	-1	0.0469	1672	Pass
Violet	A	V500	172	23.30	496	0	0.0154	619	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.73	-31.17	0.82
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.90	13.27 - 19.91	N/A	N/A	31.31	31.78	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 13762

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments